

Alaska Wood Energy Program Update

Renewable Energy Project Development
and Financing for Alaskan Natives

Anchorage

April 22, 2008

Ron Brown



Overview

- Summary of statewide wood energy development activities—Ron Brown
- Assessment of wood-fired combined heat and power economics—Peter Crimp

Recent Projects

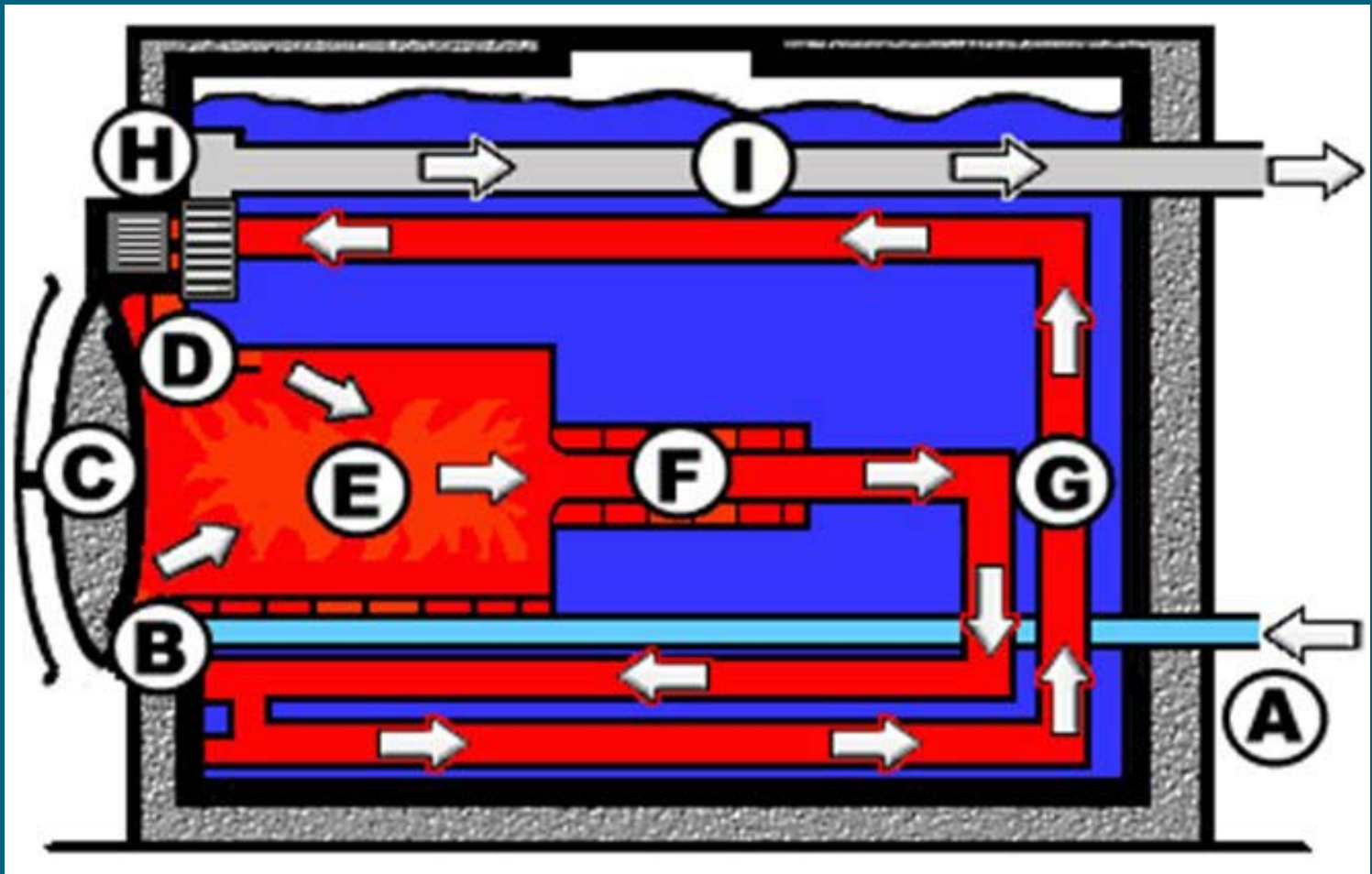
- **Tanana Washeteria** Total Cost ~\$250k (\$15k USFS via JEDC)
 - Twin GARN 2000 wood boilers, each 450 MBH
 - Minor plumbing issues, should be up and running this week.
- **Ionia Long House** Total Cost ~ \$200k (\$15k USFS via JEDC)
 - Twin GARN 2000 wood boilers, each 450 MBH
 - Fully operational, Open House on March 18, 2008
 - Provides all domestic hot water and about 1/3 of the heating requirements for the long house.
- **Hauly Wood Project** Coastal Village Region Fund communities
 - Purchasing bulk quantities of firewood, hauling and delivering from Platinum to Napaskiak for home heating.
 - 2008: will deliver 1000 cords of wood to divide up between 20 communities.





















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AEA/Denali Commission RFP

<u>Community/Project</u>	<u>Stage</u>	<u>Cost</u>
• Port Graham/CHP Biomass	Preconstr	\$100k
• Kenny Lake/Wood Boiler	Preconstr	\$50k
• Gulkana/Wood Boilers	Preconstr	\$79K
• Su Valley HS/Wood Boilers	Preconstr	\$25k
• Fairbanks/Biomass ORC	Constr	\$3.5Mil
• Gulkana/Wood Boilers	Constr	\$500k
• Ft Yukon/Bio boilers /gasif.	Constr	\$996k
• Ionia/New Barn-Wood Heat	Constr	\$494k

Proposals currently under review

Announcements for grant awards by the end of May.

Alaska Wood Energy Development Task Group

Solicited SOI's and conducted field work at

- 2007 –Tok, Tanacross, Ionia, Ft. Yukon, Coffman Cove, Nenana, Dot Lake, Mentasta Lake, Northway, Ketchikan, Klukwan, Tyonek, Pedro Bay, and McGrath.
- 2006 – Haines, Tetlin, Gulkana, Copper Center, Kenny Lake, Fairbanks, Kokhanok, Elim, Aniak, and Klawock.
- 2005 – Craig, Thorne Bay, Delta Junction, and Venetie.

Dan is currently finishing up 06 and 07 reports, preparing for this year's field work.

Alaska Wood Energy Development Task Group

2008 Plans:

Review new applications from Atmautluak, Beaver, Coffman Cove, Galena, Homer, Huslia, Kasigluk, Kotlik, Naukati, Sitka, Stebbins, Stevens Village, St. Marys, Takotna, Thorne Bay, Juneau and Hoonah

Conduct site reconnaissance and complete pre-feasibility assessments for selected projects

Complete projects in Tanana, Kasilof, Gulkana, Haines and Craig

Initiate new design and/or construction projects commensurate with available funding

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